



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4F: 1230 Angelo Drive Shoreline Repair – Golden Valley, MN
BCWMC July 16, 2020 Meeting Agenda
Date: July 8, 2020
Project: 23270051.48 2020 2223

4F 1230 Angelo Drive Shoreline Repair – Golden Valley, MN BCWMC 2020-18

Summary:

Proposed Work: Single-family home shoreline repairs

Basis for Review at Commission Meeting: Shoreline repairs

Impervious Surface Area: No change

Recommendation: Approval

General Project Information

The proposed project is located in the Sweeney Lake subwatershed at 1230 Angelo Drive in Golden Valley and includes shoreline repairs. The applicant proposes to restore the Sweeney Lake shoreline along their property by removing a timber retaining wall and placing approximately 100 linear feet of limestone boulders and riprap along the shoreline and creating a 10-foot buffer and beach area. The applicant is also proposing to repair and rebuild a deck and repair and rebuild stairs near the shoreline. The proposed project does not result in any changes to impervious surfaces.

Floodplain

The proposed project includes work in the Bassett Creek 1% (base flood elevation, 100-year) floodplain. The October 2019 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The 1% (base flood elevation, 100-year) floodplain elevation of Sweeney Lake is 831.9 feet NAVD88.

The proposed project does not involve fill in the floodplain.

Lakes, Streams, and Wetlands

The proposed project includes the referenced shoreline repairs along Sweeney Lake that triggers review by the Commission. The 1 ft. high x 2 ft. wide rectangular limestone boulders will be placed one boulder high to the north of the dock and two boulders high to the south of the dock. The limestone boulders

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match the boulders of the house to the north. Riprap will be installed lakeside of the shed. The proposed 10 ft. x 25 ft. beach includes imported sand placed on the landside of the limestone boulders.

The City of Golden Valley is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required.

Rate Control

The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC rate control review is not required. Drainage patterns will generally remain the same between existing and proposed conditions.

Water Quality

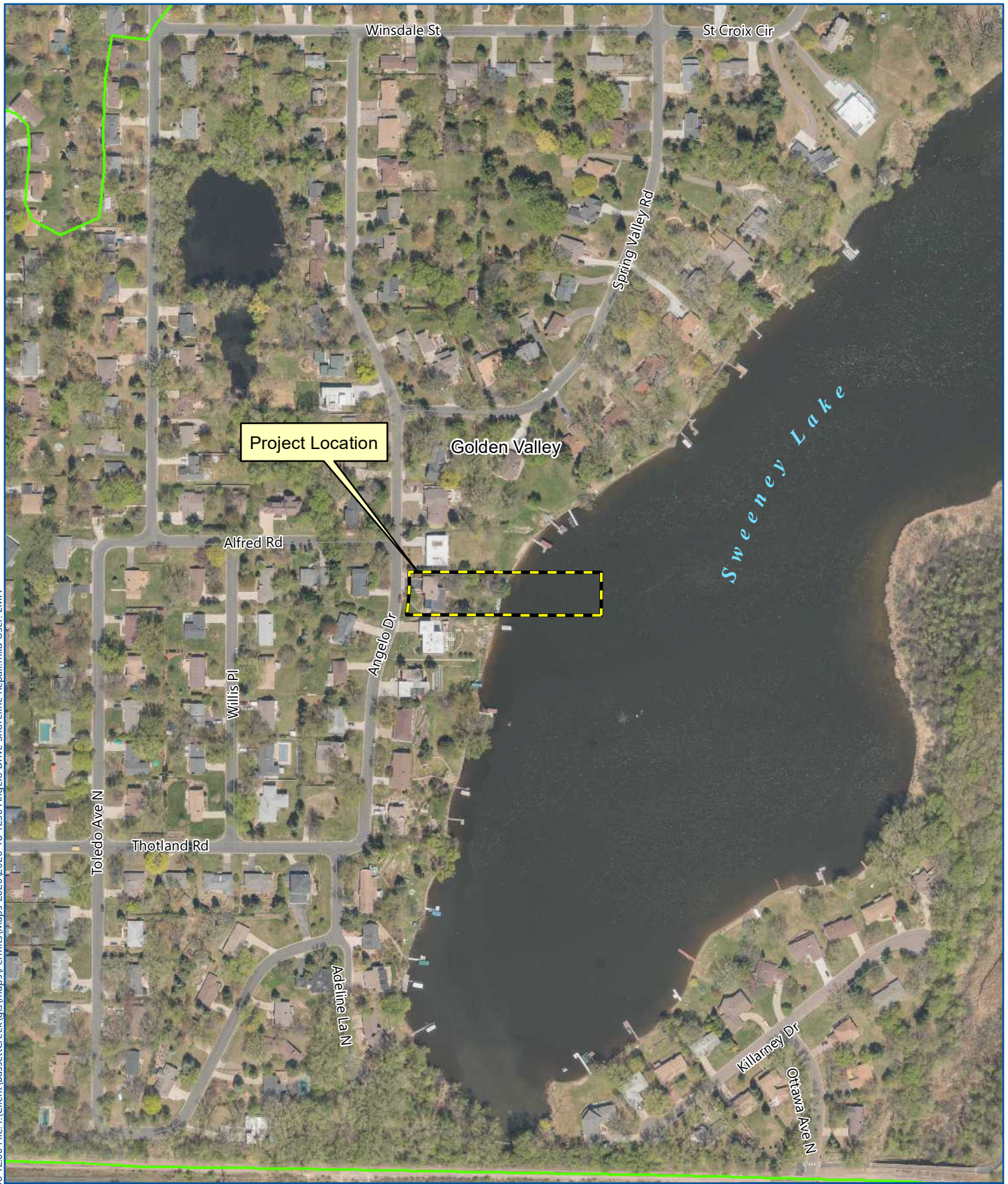
The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC water quality review is not required.






Erosion and Sediment Control

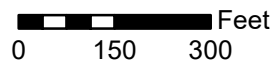
Single family homes are exempt from BCWMC erosion and sediment control requirements.

Recommendation

Approval



-  Project Location
-  Municipality
-  BCWMC Legal Boundary
-  Major Subwatershed
-  Bassett Creek



BCWMC #2020-18
 1230 ANGELO DRIVE
 SHORELINE REPAIR
 Golden Valley, MN

LOCATION MAP